



IBM WebSphere MQ V7.5 Advanced System Administration (Distributed)  
Information

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| <b>Length:</b>          | 4.0 Days                          |
| <b>Ref:</b>             | WM211G-X                          |
| <b>Delivery method:</b> | ClassroomInstructor Led<br>Online |
| <b>Price:</b>           | AUD                               |

Overview

An updated version of this course is available. For more information, click *IBM MQ V8 Advanced System Administration (Distributed)* (WM212G).

This course is also available as self-paced virtual (e-learning) course, *IBM WebSphere MQ V7.5 Advanced System Administration (Distributed)* (ZM211G). This option does not require any travel.

In this course, you learn some of the advanced skills that system programmers and administrators of IBM WebSphere MQ V7.5 on distributed platforms require.

This course expands the basic skill sets that are developed in the Technical Introduction and System Administration courses. It focuses on advanced features and facilities of WebSphere MQ, such as clustering and security. More specifically, you learn about the administration of workload balancing by using clustering and Secure Sockets Layer (SSL) to secure channels. Additional topics include channel exit programming, statistic and accounting facilities, advanced client features, and publish/subscribe administration.

The lab exercises are designed to build advanced administration skills, which include implementing channel exits, securing WebSphere MQ channels, and clustering to manage workloads.

The lab environment for this course uses the Windows XP platform.

For information about other related courses, visit the IBM Training website:  
<http://www.ibm.com/training>

Public

This advanced course is designed for technical professionals who require advanced administrator skills for WebSphere MQ on distributed platforms, or who provide support to others who administer WebSphere MQ. This course is based on WebSphere MQ version 7.5 but is also appropriate for those who support prior versions of WebSphere MQ.

## Prerequisites

You should have the skills necessary to complete basic WebSphere MQ administration tasks in a distributed environment. These skills can be obtained through practical experience **or** by successfully completing one of the IBM WebSphere MQ V7.1 System Administration courses.

## Objective

- Use the advanced features of WebSphere MQ to configure and administer queue managers on distributed platforms
- Activate channel exits
- Use message channel exits to enhance security or perform specialized translations of message data
- Use Transport Layer Security (TLS) and Secure Sockets Layers (SSL) to secure TCP/IP channels
- Set up security definitions and the WebSphere MQ objects to which they refer
- Use clusters of queue managers for advanced workload management
- Implement WebSphere MQ high availability
- Use advanced client connection functions such as conversation sharing, read-ahead, and asynchronous put
- Use statistics and accounting facilities that are provided with WebSphere MQ to optimize the use of system resources
- Administer distributed publish/subscribe networks that include publish/subscribe clustering and hierarchical networks
- Administer Java Message Service (JMS) in WebSphere MQ
- Use WebSphere MQ to manage file transfers

## Topics

- Course introduction
- WebSphere MQ Explorer review
- Exercise: Using WebSphere MQ Explorer
- Using channel exits and dead letter queues, and converting data
- Exercise: Using channel exit programs
- Exercise: Dead letter queue handling
- Securing WebSphere MQ channels with SSL
- Exercise: Securing WebSphere MQ channels
- Securing access to WebSphere MQ
- Cluster workload balancing
- Exercise: Using clustering to manage workloads
- WebSphere MQ high availability
- Advanced client concepts
- Exercise: Configuring advanced clients
- Monitoring and configuring WebSphere MQ for performance

- Exercise: Working with statistics
- Distributed publish/subscribe
- Exercise: Configuring distributed publish/subscribe
- JMS administration
- Exercise: Administering JMS
- Introduction to managed file transfers
- Course summary